

What is claimed is:

- 1 1. A method comprising:
2 estimating a plurality of interpolated first color values from a
3 plurality of first color values in a sub-block of image data, wherein the image
4 data comprises first color values, second color values, and third color values;
5 deriving a plurality of second color hues using the second color
6 values and the interpolated first color values; and
7 estimating a plurality of interpolated second color hues using the
8 second color hues.
- 1 2. The method of claim 1, further comprising:
2 deriving a second plurality of second color values from the plurality
3 of interpolated second color hues.
- 1 3. The method of claim 1, further comprising:
2 deriving a plurality of third color hues using the third color values
3 and the interpolated first color values;
4 estimating a plurality of interpolated third color hues using the third
5 color hues; and
6 deriving a second plurality of third color values from the plurality of
7 interpolated third color hues.
- 1 4. The method of claim 1, estimating a plurality of interpolated first
2 color values from a plurality of first color values in a sub-block of image data
3 further comprising:
4 identifying four direct neighbors in the sub-block; and

6 derive a plurality of second color hues using the second color
7 values and the interpolated first color values; and
8 estimate a plurality of interpolated second color hues using the
9 second color hues.

1 19. The article of claim 18, further storing a software program for
2 enabling a processor-based system to:
3 derive a second plurality of second color values from the plurality of
4 interpolated second color hues.

1 20. The article of claim 19, further storing a software program for
2 enabling a processor-based system to:
3 derive a plurality of third color hues using the third color values and
4 the interpolated first color values;
5 estimate a plurality of interpolated third color hues using the third
6 color hues; and
7 derive a second plurality of third color values from the plurality of
8 interpolated third color hues.

1 21. The article of claim 20, further storing a software program for
2 enabling a processor-based system to:
3 identify four direct neighbors in the sub-block; and
4 use first color values from the four direct neighbors to estimate an
5 interpolated first color value.